CLAIM AMENDMENTS:

1-5 cancelled

6. (new) A sliding bearing composite material comprising:

a metallic support layer; and
a lead-free sliding layer forming a sliding surface for a sliding partner, said sliding layer comprising PEEK as a matrix-forming plastic component, 3-15 weight% of zinc sulfide and/or barium sulfate as a lubricant, a hardening component of 3-15 weight% titanium dioxide, 5-25 weight% carbon fibers, and 5-15 weight% graphite particles.

7. (new) The sliding bearing composite material of claim 6, further comprising a porous carrier layer disposed on said metallic support layer.

8. (new) The sliding bearing composite material of claim 6, wherein said lubricant is present in the form of fine particles with a D50 particle size value of at most 500nm.

9. (new) The sliding bearing composite material of claim 8, where said D50 particle size is at most 400nm.

10. (new) The sliding bearing composite material of claim 6, wherein said hardening component is present in a form of fine particles with a D50 particle size value of maximally 500nm.

11. (new) The sliding bearing composite material of claim 10, wherein said hardening component D50 particle size value is maximally 400nm.

12. (new) The sliding bearing composite material of claim 6, wherein said carbon fibers have a length of 50-250μm.

13. (new) The sliding bearing composite material of claim 12, wherein said carbon fibers have a length of 60-150μm.

14. (new) The sliding bearing composite material of claim 6, wherein said carbon fibers have a thickness of 8-15μm.